

Material Safety Data Sheet

Sodium Persulfate, 25% w/v solution

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Synonyms: CA-6 Analyzer Nickel Reagent #1

CAS No.: Not applicable to mixtures.

Molecular Weight: Not applicable to mixtures.

Chemical Formula: Not applicable to mixtures.

Product Codes: ECD P/N 2010492-1

Manufacture By: Electro-Chemical Devices, Inc.

1681 Kettering

Irvine, CA 92614

Phone: (800) 729-1333

2. Hazards Identification

Emergency Overview

GHS Classification: Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system,

H335

Caution! Irritant Oxidizer Avoid contact with skin, eyes, or clothing

Contains: Sodium persulfate, Water

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Hazard pictograms

Signal word: Warning

Hazard statements H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor/ physician if you feel unwell.

P321 Specific treatment (see supplemental first aid instructions on this label).

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant



HMIS RATING

POTENTIAL HEALTH EFFECTS

Target Organs: Eyes, skin, and respiratory system.

Eye Contact: May cause irritation, redness, pain, and tearing.

Inhalation: Respiratory tract irritant may cause burns on acute contact.

Skin Contact: May cause irritation, redness, and pain.

Ingestion: May cause burns of the mouth, throat and stomach. Symptoms may include

abdominal pain, nausea and vomiting, general gastrointestinal upset.

Chronic Effects/Carcinogenicity: None

3. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Ammonium Citrate Tribasic	3458-72-8	50% w/v	No
Water	7775-27-1	Balance	No

4. First Aid Measures

GENERAL ADVICE: Consult a physician. Show this safety data sheet to the doctor in attendance.

Move out of dangerous area.

ORAL EXPOSURE: If swallowed, wash out mouth with water provided person is conscious.

Never give anything by mouth to an unconscious person.

Consult a physician immediately.

INHALATION EXPOSURE: If inhaled, remove to fresh air.

If breathing is difficult, GIVE OXYGEN.

Consult a physician.

DERMAL EXPOSURE: In case of skin contact, flush with copious amounts of soap and water for at

least 15 minutes.

Take off contaminated clothing and shoes immediately.

Consult a physician.

EYE EXPOSURE: In case of contact with eyes, flush with copious amounts of water for at least 15

minutes.

Assure adequate flushing by separating the eyelids with fingers.

Consult a physician.

5. Fire Fighting Measures

Flammability of the Product: Non-flammable

Auto-ignition Temperature: Not applicable

Flash Points: Not applicable

Flammable Limits: Not applicable

Products of Combustion: Not applicable

Fire Hazards: Not combustible, may react with reducing agents and combustibles and cause

ignition.

Explosion Hazards: Static Discharge: None

Mechanical Impact: None

Fire Fighting Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Protective Clothing: Use protective clothing and breathing equipment appropriate for the

surrounding fire.

Special Remarks: None

6. Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTIONS

Exercise appropriate precautions to minimize direct contact with skin or eyes.

ENVIRONMENTAL PRECAUTIONS

Do not let product enter drains.

METHODS FOR CLEANING UP

Absorb on sand or vermiculite and place in closed containers for disposal.

7. Handling and Storage

HANDLING

User Exposure- Avoid contact with eyes, skin, and clothing. Avoid formation of dust and aerosols.

Wash thoroughly after handling.

STORAGE

• Suitable: Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS

• Safety shower and eye bath. Contains no substances with occupational exposure limit values.

PERSONAL PROTECTIVE EQUIPMENT

- Respiratory: Respiratory protection is not required.
- Hand: Protective gloves. Neoprene gloves
- Eye: Chemical safety glasses with side-shields conforming to EN166.

GENERAL HYGIENE MEASURES

- Handle in accordance with good industrial hygiene and safety practice.
- Wash thoroughly after handling.

9. Physical and Chemical Properties

Appearance: Colorless Crystalline.

Odor: No data available.

Solubility: No data available

Specific Gravity: 1 g/cm3

pH: Neutral, pH 5 > 9

% Volatiles by volume @ 21C (70F): ca. 99

Boiling Point: 100°-108°C

Melting Point: 185 °C

Vapor Density (Air=1): Not applicable.

Vapor Pressure (mm Hg): Not applicable.

10. Stability and Reactivity

STABILITY

- Stable: Stable.
- Stable under recommended storage conditions.

MATERIAL TO AVOID

Materials to Avoid: Strong Oxidizing material....

HAZARDOUS DECOMPOSITION PRODUCTS

- Formed under Fire Conditions.
- Carbon oxides, Nitrogen oxides (NOx), Ammonia

HAZARDOUS POLYMERIZATION

Will not occur.

11. Toxicological Information

ACUTE TOXICITY: N/A

IRRITATION AND CORROSION: N/A

SENSITIZATION: N/A

CHRONIC EXPOSURE: IARC: No component of this product present at levels greater than or equal to

0.1% is identified as probable, possible, or confirmed carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed carcinogen by OSHA.

POTENTIAL HEALTH EFFECTS: INHALATION May be harmful if inhaled. Causes respiratory tract irritation.

SKIN Causes skin irritation.

EYES Causes eye irritation.

INGESTION May be harmful if swallowed. May cause slight gastrointestinal

irritation, May cause stomach pain, cramps and/or diarrhea.

SIGNS AND SYMPTOMS OF EXPOSURE: To the best of our knowledge, the chemical, physical, and toxicological

properties have not been thoroughly investigated.

ADDITIONAL INFORMATION: RTECS: N/A

12. Ecological Information

Eco-toxicity: No data available

Environmental: No information available

Physical: No information available.

Other: Do not empty into drains.

13. Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

The product is not classified as dangerous for the environment.

CONTAMINATED PACKAGING

• Dispose of as unused product.

14. Transport Information

DOT (US): Not dangerous goods

Environmental hazards: No

IMDG: Not dangerous goods

IATA Not dangerous goods

15. Regulatory Information

OSHA HAZARDS: Irritant

SARA 302: No components in this material are subject to reporting requirements of SARA

Title III, Sec. 302.

SARA 313 COMPONENTS: Cas-No. Revision Date

Triammonium citrate 3458-72-8 1987-01-01

SARA 311 / 312 HAZARDS: Acute Health Hazard

16. Other Information

Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Label Precautions: None.

Label First Aid: Not applicable.

Product Use: Laboratory Reagent.

Revision Information: MSDS-2010492-1 rev. a Jan. 2014
